

What is claimed is:

1 1. A method of preparing reaction regions for
2 biochips, comprising the steps of:

3 providing a first member and a second member;

4 disposing at least one spacer between the first
5 member and the second member to form a reaction
6 region between the first member and the second
7 member; and

8 filling a sample solution in the reaction region.

1 2. The method of preparing reaction regions for
2 biochips as claimed in claim 1, wherein the first member
3 and the second member are biochips.

1 3. The method of preparing reaction regions for
2 biochips as claimed in claim 2, wherein said biochips are
3 the same..

1 4. The method of preparing reaction regions for
2 biochips as claimed in claim 2, wherein said biochips are
3 different.

1 5. The method of preparing reaction regions for
2 biochips as claimed in claim 1, further comprising a
3 holder to assemble the first member and the second
4 member.

1 6. The method of preparing reaction regions for
2 biochips as claimed in claim 1, further comprising
3 enclosing the reaction regions in a sealed environment.

1 7. The method of preparing reaction regions for
2 biochips as claimed in claim 1, wherein the first member
3 and the second member are inert to the sample solution.

1 8. The method of preparing reaction regions for
2 biochips as claimed in claim 1, further comprising a step
3 of incubating the reaction region under hybridization
4 condition.

1 9. An apparatus containing reaction regions for
2 biochips, comprising:

3 a first member and a second member disposed in
4 parallel; and

5 at least one spacer disposed between the first
6 member and the second member to form a reaction
7 region between the first member and the second
8 member.

1 10. The apparatus as claimed in claim 9, wherein the
2 first member and the second member are biochips.

1 11. The apparatus as claimed in claim 10, wherein
2 said biochips are the same.

1 12. The apparatus as claimed in claim 10, wherein
2 said biochips are different.

1 13. The apparatus as claimed in claim 9, further
2 comprising a holder to assemble the first member and the
3 second member.

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1 14. The apparatus as claimed in claim 9, wherein
2 the reaction regions are enclosed in a sealed
3 environment.
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